

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

*Atherton • Belmont • Brisbane • Burlingame • Colma • Daly City • East Palo Alto • Foster City • Half Moon Bay • Hillsborough • Menlo Park
Millbrae • Pacifica • Portola Valley • Redwood City • San Bruno • San Carlos • San Mateo • San Mateo County • South San Francisco • Woodside*

Agenda

Resource Management and Climate Protection Committee (RMCP)

Date: Friday, May 11, 2012

Time: 1:00 to 3:00 p.m.

Location: 555 County Center, 5th Floor, Conference Room 1
Redwood City, California

1. Introductions
2. Public comment
3. Approval of Minutes from March 2012 (Susan Wright) Action
4. Discussion on Possible Change of Date, Time and Venue of Meeting Action
5. Presentation by BAAQMD Staff on Electric Vehicle Readiness Planning Information
(Kim Springer, Karen Schkolnick)
6. Presentation by PG&E on Time Varying Pricing and Outreach to Small and Medium Business
in San Mateo County (Kathy Lavezzo, Diane Reyes)
7. Review and Comments on the Energy Section of the Draft San Mateo County Energy Strategy
2015 Document (Kim Springer) Direction
8. Update on Regionally Integrated Climate Action Planning Suite (RICAPS) Progress
(Kim Springer, Will Klein) Information
Direction
9. Update on San Mateo County Energy Watch Program Information
(Susan Wright, Will Klein)
10. Committee Member Updates
11. Next Regular Meeting Date: Dependent on Item 4 above.

PUBLIC NOTICING: All notices of C/CAG Board and Committee meetings are posted at:
San Mateo County Transit District Office, 1250 San Carlos Ave., San Carlos, CA.

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Resource Management and Climate Protection Task Force **Minutes from the 3-9-12 Meeting**

In attendance:

Michael Barber, San Mateo County Supervisor Dave Pine's office
Simon Bryce, Renewable Funding
Bob Cormia, Foothill De Anza Community College
Noelle Bell-Copley, Ecology Action
Maryann Moise Derwin, Committee Vice Chair, Portola Valley Town Council*
Pedro Gonzalez, South San Francisco City Council*
Deborah Gordon, Committee Chair, Woodside Town Council*
Jorge Jaramillo, San Mateo County Hispanic Chamber of Commerce
Will Klein, San Mateo County RecycleWorks (staff)
Kathy Lavezzo, PG&E
Ryan Mack, PG&E
Richard Napier, C/CAG
Lauren Swezey, Facebook
Barbara Pierce, Redwood City Council*
Dave Pine, San Mateo County Board of Supervisors* (arrived at 1:55pm)
Sepi Richardson, Brisbane City Council* (by phone)
Cliff Staton, Renewable Funding
Kim Springer, San Mateo County RecycleWorks (staff)
Susan Wright, San Mateo County RecycleWorks (staff)

Not in attendance:

Jim Cogan, PG&E
Nicole Sandkulla, BAWSCA
Eric Sevim, A+ Japanese Auto Repair
*=Voting member

1) **Introductions:** Attendees introduced themselves and their organizations.

2) **Public Comment:** There was no public comment.

3) **Approval of Minutes:** Minutes from the January 2012 meeting were approved.

4) **Presentation on Property Assessed Clean Energy (PACE) Programs (Cliff Station, Simon Bryce)**

Cliff Station and Simon Bryce from Renewable Funding explained the history of PACE funding

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and explained recent developments: The HR 2599 (PACE Protection Act) was introduced in Congress in July 2011. The current focus is on commercial PACE – multifamily for 5 units or more and industrial buildings.

The handout from Cliff and Simon is attached.

5) Presentation on PG&E Turnkey Streetlights Efforts in San Mateo County (Kathy Lavezzo)

Kathy Lavezzo explained that PG&E's LED Streetlights program is successful because of its turn-key approach. In addition to saving energy, the lights reduce maintenance costs because the bulbs don't have to be replaced as often. Many cities in San Mateo County used EECBG funding and ARRA funds to complete streetlights projects. Cities can also use PG&E's on-bill no-interest financing to pay for LED streetlights because the payback is now less than 10 years. PG&E also has rebates for commercial LED parking lot lights. Lauren Swezey mentioned that Facebook likes LED parking lot lights for the safety benefits – it renders colors like daylight as opposed to high-pressure sodium lights that are amber.

Kathy's spreadsheet of completed LED streetlight projects by San Mateo County cities is attached.

6) Presentation and Discussion about Energy Use Trends Across San Mateo County (Will Klein)

Will Klein presented energy usage data for the County as a whole, as well as broken out by city. Overall trends show that energy usage is down and solar generation is up, although since the period of time shown is just seven years, it's not statistically valid. It's not clear how much weather and the economy impacted the energy use. Electricity use has decreased more markedly than gas. The public sector has made the sharpest improvement, then residential, then commercial. The public sector reduction coincides with the launch of the San Mateo County Energy Watch.

The group discussed ways to make the information more understandable. Ideas included breaking the information apart by city type - small cities with mostly commercial, medium-size cities, and larger cities. For solar, looking at per capita as well as energy intensity per square foot. (Square footage information would probably be difficult to get, however.) Add definition of all terms used for the progress reports. Break out schools so they can be looked at separately.

Will's charts are attached.

7) Committee Member Updates

Portola Valley is having a ribbon cutting for two electric vehicle charging stations next Thursday at 2pm. The stations were paid for through a grant. South San Francisco is working on two vehicle charging stations.

There's an Energy Upgrade party Monday night.

Barbara Pierce expressed an interest in knowing more about solar thermal hot water and wondered if it could be offered through Energy Watch. Cogenra in Mountain View produces solar thermal PV hot water and thermal electricity.

Kim Springer gave an overview of the Regionally Integrated Climate Action Planning Suite

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(RICAPS) funded by BAAQMD, PG&E, and C/CAG and explained how it can make county-wide comparisons. There's no cost to the cities or county. C/CAG is paying for the Hara contract, and technical support. Kim recently made the final grant report to BAAQMD. Five additional cities need to complete CAPs by the end of 2012. Cities are currently working on getting 2005 GHG emissions inventory data into the Hara online tool. C/CAG and County staff are hosting monthly Working Group meetings to support cities in completing their CAPs. The State Office of Planning & Research and the State Attorney General's office are excited about RICAPS.

Town of Portola Valley is launching a new speaker series for 2012, the "Tuesday Harvest." On March 13, Tues Harvest Series. Elton Sherwin and Steve Schmidt will present: "Be Energy Efficient in Your Sleep."

Topics for future meetings:

- solar and solar thermal
- EV charging stations

8) Next Regular Meeting Date: April 13, 2012

C/CAG AGENDA REPORT

Date: May 11, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff to C/CAG
Subject: Presentation by BAAQMD Staff on Electric Vehicle Readiness Planning
(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive a presentation by BAAQMD staff on electric vehicle readiness planning.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

As the Congestion Management Agency in San Mateo County with an interest in future utilization of electric vehicles by both municipalities and the public, C/CAG submitted a proposal to the MTC for the One Bay Area grant in August 2010. The proposal was to gain full or partial funding for approximately 24 charging stations, north to south in San Mateo County.

Multiple EV-related proposals were received by MTC for the grant cycle. A short series of meetings were held to decide if, when and which proposals were to be funded. The outcome was to hold off on funding any of the charging station proposals and lead to an effort by MTC to establish a greater plan for deployment of charging stations in the state. Little has been announced by MTC on progress since a planning study was initiated in 2011.

Other organizations, such as the Bay Area Climate Collaborative (see the link below, provided as an attachment to this staff report, which gives good background on EV Readiness and charging technologies), suppliers of charging stations (such as Coulomb Technologies: <http://www.coulombtech.com/>), and the BAAQMD are promoting initiatives to support the arrival of electric vehicles in our region.

Recently, the BAAQMD released a survey called the [California PEV Readiness Survey](#), administered to cities and counties in California to assess plug-in electric vehicle (PEV) readiness at the community level throughout the state.

This survey represents the first step in a multistage planning process that will run between March 2012 and September 2013, to develop plans that will enable the region to 1) identify the future sites and locations for PEV charging infrastructure, 2) update building codes, zoning and parking rules, and ordinances in local jurisdictions to make them PEV ready, 3) accelerate the adoption of PEV in public and private fleets, and 4) increase the PEV infrastructure and vehicle manufacturing.

The Bay Area has the highest rate of PEV adoption in the state of California. Although PEVs have tremendous potential to reduce pollution and greenhouse gases, widespread adoption requires more than new cars – it will also require significant planning, updates to ordinances and policies, and investments to fund the installation of charging infrastructure.

Staff believes that it is essential for municipalities in San Mateo County to respond to this survey, as it seems to be the leading pathway to an eventual plan for deployment of charging stations in the Bay Area region and San Mateo County.

Responses to this survey will help the BAAQMD gauge local Bay Area government agencies' ability to address increasing rates of PEV adoption in the Bay Area and to help the Air District learn what types of tools and resources would help agencies successfully meet the growing demand.

Karen Schkolnick, Air Quality Program Manager in the Strategic Incentives of the BAAQMD will present details about EV adoption, suggested elements and need for readiness, and details about how the survey and planning efforts are scoped and funded.

Attachments/Links

Ready, Set, Charge California -

http://baclimate.org/images/stories/actionareas/ev/readysetcharge_evguidelines.pdf

C/CAG AGENDA REPORT

Date: May 11, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff to C/CAG
Subject: Presentation by PG&E on Time Varying Pricing and Outreach to Small and Medium Business in San Mateo County
(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive a presentation by PG&E on Time Varying Pricing and outreach to small and medium business in San Mateo County.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

Beginning in April 2012, PG&E started outreach to small and medium business customers throughout PG&E's territory. PG&E's definition of a small and medium business customer is any commercial account that uses under 500,000 kWh of annual energy use and represents PG&E's rate schedules A1 and A10.

The following are the specific efforts PG&E staff are undertaking:

- Canvassing business districts by City.
- Offering FREE on-site energy assessments and provide a detailed report highlighting no and low cost energy savings recommendations.
- Educating customers on upcoming electric rate changes, driven by the California Public Utilities Commission, which converts all commercial Non-Time of Use customers to our new Time Varying Pricing rates.
- Discussing with customers our new array of PG&E on-line tools and resources that are simple for our small and medium business customers who have limited time, to navigate.
- Offering FREE energy efficiency audits and providing new energy efficiency rebate programs for our small and medium business customers to help reduce their energy bills.
- Working closely with our local community organizations – chamber, non-profits, etc., to ensure our outreach efforts are thorough.

Energy reduction by commercial customers will assist cities/towns/County in meeting aggressive Climate Action Plan goals of reducing their energy usage by 10% by 2020. PG&E can provide energy data by community to determine energy reductions for the commercial segment. PG&E also considers their

efforts to address economic development in communities, which will be enhanced as small and medium business customers save money by reducing energy usage.

Diane Reyes, PG&E Manager, Customer Care / SF and SM Counties will present.

Attachments/Links

None

C/CAG AGENDA REPORT

Date: May 11, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer
Subject: Review and Comments on the Energy Section of the Draft San Mateo County Energy Strategy 2015 Document
(For further information, contact Kim Springer at 650-599-1412)

RECOMMENDATION

That the Committee gives Comments and direction to staff on the Energy Section of the draft San Mateo County Energy Strategy 2015 document (Energy Strategy).

FISCAL IMPACT

None.

SOURCE OF FUNDS

The C/CAG General Fund is funding the cost of writing the follow-up report to the Energy Strategy through a staff services agreement between C/CAG and the County of San Mateo.

BACKGROUND/DISCUSSION

At the May 19, 2011 and August 18, 2011 RMCP committee meetings, staff presented and the committee reviewed a draft outline for the writing of the San Mateo County Energy Strategy update. At the September 9, 2011 meeting, staff presented to and received comments from RMCP Committee members on the first two (Introduction and Resource Conservation) section of the Energy Strategy.

Since those meetings, staff has written a substantial portion of the energy section of the Energy Strategy and would like to receive feedback from committee members.

A current draft of the Energy Strategy will be provided a few days prior to the meeting for your review and comments. It will be provided as a MS Word file so that you may edit in your comments before or after the meeting and provide your feedback electronically or in hard copy.

Attachment

Draft San Mateo County Energy Strategy 2015 (to be provided separately from this staff report)

C/CAG AGENDA REPORT

Date: May 11, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer
Subject: Update on Regionally Integrated Climate Action Planning Suite (RICAPS) Progress

(For further information, contact Kim Springer at 650-599-1412 or Richard Napier at 650-599-1420)

RECOMMENDATION

Receive an update on the BAAQMD/PG&E grant to develop a Climate Action Plan (CAP) Template, now called RICAPS.

FISCAL IMPACT

Up to \$100,000.

SOURCE OF FUNDS

Funding for staff work for the completion of deliverables for the BAAQMD grant and further development of funding for this project are paid for by a \$100,000 in agreements between C/CAG and the County of San Mateo FY2011-12 through December 31, 2012, from Congestion Relief Funds. These funds are partially funded by grants from PG&E and the BAAQMD.

BACKGROUND/DISCUSSION

On September 16, 2010, the C/CAG Board adopted a Resolution No. 10-53, giving the Chair authority to sign a grant agreement between C/CAG and the BAAQMD for \$50,000 to complete a CAP template project for the cities in San Mateo County and Cupertino. On March 10, 2011, the C/CAG Board adopted Resolution No. 11-11 for a grant agreement between C/CAG and PG&E for \$125,000.

Though the above grants and matching funds from C/CAG will allow the project to continue through to completion, C/CAG and County staff expect that refinements to RICAPS will continue to develop over time as additional stakeholders collaborate on the project. Staff is also considering additional grant funding opportunities for the RICAPS project.

At the January 13, 2012 meeting, staff reported on collaboration with various stakeholders inside and outside the county on the RICAPS project, that have added needed text for the RICAPS plan document. The consultant work for the list of measures that accompany this document and the software tool has been completed.

Since the January committee report, staff has completed the final grant report for the BAAQMD on February 29, 2012, and staff will soon set up a meeting to demonstrate RICAPS to both the BAAQMD and PG&E. Staff continues to report to PG&E on deliverables for this grant as they are completed. A significant amount of staff time has been used to complete both the structure and standardization of and training for supporting various cities through the process of uploading their 2005 baseline GHG emission inventory data into the Hara Software tool.

The cities that have already uploaded into the tool are Pacifica and San Bruno. The next group of cities whose staff are completing the required Excel worksheet templates for upload are: South San Francisco, Millbrae, Colma and Portola Valley. Also working on their upload files and to follow as the next group to go onto the tool are: Woodside, Redwood City, Atherton, Cupertino, Burlingame and Foster City. We believe that there will be 13-14 cities in the system by the end of the year.

Staff has established a working group of cities that are being trained through the process of completing Climate Action Plans (CAPs) using RICAPS by the end of 2012, per the agreement with PG&E (as grant deliverables). C/CAG, which will need to complete a countywide CAP is working on a plan to complete work already started, possibly using a consultant.

A chart showing the cities, contacts, attendance at Working Group meetings and their interest in utilizing RICAPS is provided as an attachment to this staff report.

At this meeting, staff will present an update on the project and launch the Hara ESS tool so that committee members can see the structure of the tool and city data.

The most recent versions of the RICAPS documents (plan text and list of measures), can be found at: http://www.smcenergywatch.com/countywide_climate_action.shtml

Attachments

RICAPS Participation

RICAPS Participation

Developing a CAP		Have a CAP, putting data in tool	Interested but not active	No plan to use RICAPS right now												
City	Last Name	First Name	Title	Email	Phone	2011 CAP dev	2012 CAP dev	Hara tool only	Interested but not active	No stated interest	Attended 1/31	Attended 2/23	Attended 3/7	Attended 3/14		
01 Atherton	Mardesich	Andrea	Associate Planner	amardesich@ci.atherton.ca.us	(650)752-0544		1				1	1				
02 Belmont	DeMelo	Carlos	Community Development Director	cdemelo@belmont.gov	650-595-7440		1				1					
02 Belmont	Walker	Jennifer		jwalker@belmont.gov								1				
02 Belmont	Nelson	Julia	Intern	cdintern@belmont.gov	650-619-9811							1				
03 Brisbane	Pontecono	Lisa		lpontecono@ci.brisbane.ca.us					X							
04 Burlingame	Meeker	William	Community Development Director	wmeeker@burlingame.org	650-558-7255			X 2009 CAP								
04 Burlingame	McCluskey	Joe		jmccluskey@burlingame.org	(650) 558-7260						1	1	1	1		
04 Burlingame	Gottsche	Gordon		ggottsche@burlingame.org												
05 Colma	Burns	Lori	Human Resources Department	lburns@colma.ca.gov lori.burns@colma.ca.gov	650-997-8306		1				1	1	1	1		
05 Colma	Laughlin	Michael	Acting City Planner	michael.laughlin@colma.ca.gov	650.757.8896						1					
05 Colma	Gallagher	Kathleen	CSG									1				
06 Daly City	Burns	Kerry	Assistant City Manager	kburns@dalycity.org	650-991-8127				X 2011 Green Vision							
06 Daly City	Myott	Jesse	Management Analyst	jmyott@dalycity.org	650-991-8054											
07 East Palo Alto	Averhart	Russell	Economic Development/Re	raverhart@cityofepa.org	650-853-3126					X 2011 CAP						
08 Foster City	Vaile	Alfre		availe@fostercity.org			1									
08 Foster City	Moloney	Julie	Senior Planning	jmoloney@fostercity.org	650-286-3242						1	1			1	
09 Half Moon Bay	Snideman	Laura	City Manager	lsnideman@hmbcity.com	650-726-8793				X							
10 Hillsborough	Cullinan	Elizabeth	Director of Building & Planning	ECullinan@hillsborough.net	(650) 375-7416			X 2010 CAP								
10 Hillsborough	Nixon	Jack	CSG								1	1				
10 Hillsborough	Cooney	Ed	CSG	ecooney@hillsborough.net	(415) 606-6786						1					
11 Menlo Park	Fotu	Rebecca		rfotu@menlopark.org	(650) 330-6765				X CAP							
11 Menlo Park	Marcadejas	Vanessa		VAMarcadejas@menlopark.org								1				
12 Millbrae	Reider	Shelly	Environmental Programs Mgr	sreider@ci.millbrae.ca.us	650.259.2444		1				1			1		
12 Millbrae	Kuehnhackl	Krista		kkuehnhackl@ci.millbrae.ca.us	(650) 259-2345						1			1		
13 Pacifica	Claycomb	Elizabeth	Management Analyst and Project Manager	claycombe@ci.pacifica.ca.us	650-738-7361	1										
14 Portola Valley	de Garreaux	Brandi	Sustainability and Resource Efficiency Specialist	BdeGarreaux@portolavalley.net	851-1700 x 222		1				1	1				
14 Portola Valley	Hey	Angela	Sustainability Committee	amhey@heyamash.com	650-851-2542						1					
14 Portola Valley	Derwin	Maryann Mo	Mayor	maryann@derwin.com												
14 Portola Valley	Aalfs	Jeff	Council Member	almitaja@yahoo.com												
15 Redwood City	Sherman	Vicki	Environmental Initiatives Intern	vsherman@redwoodcity.org	650.780.5917			X 2010 CAP			1	1	1	1		
16 San Bruno	Shannon	Jim	Management Analyst	JShannon@sanbruno.ca.gov	(650) 616-7046	1										
17 San Carlos	Moura	Brian	Assistant City Manager	BMoura@cityofsancarlos.org	650-802-4210			X 2009 CAP								
18 San Mateo	Gilmore	Christina	Management Analyst	CGilmore@cityofsanmateo.org	650-522-7191		1					1				
19 South San Francisco	Aguilar	Bertha	Economic & Community Development	Bertha.aguilar@ssf.net	650 829-6620			1								
19 South San Francisco	McCue	Susan		Susan.mccue@ssf.net												
19 South San Francisco	Carlson	Steve	Senior Planner	Steve.carlson@ssf.net	650-877-8535						1	1			1	
20 Woodside	Young	Jackie	Planning Director	jyoung@woodsidetown.org	(650) 851-6796		1									
20 Woodside	Schaan	Sage	Senior Planner	sschaan@woodsidetown.org	(650) 851-6790						1	1	1	1		
21 County	Seubert	Matthew	Planning Dept.	mseubert@co.sanmateo.ca.us	650-363-1829			1			1					
21 County	Davidson	Scott	PMC	sdavidson@PMCWorld.com												
21 County	Jensen	Peggy	Deputy County Mgr	PJensen@smcogov.org	650 363-4598											
21 County	Lee	Danielle		dlee@smcogov.org	650 363-4119											
22 Cupertino	Cooke	Erin		ErinC@cupertino.org	408.777.7603		1				1	1				
22 Cupertino	Nelson	Emmett	AmeriCorps intern													
22 Cupertino	Ankora	Apama	Planning Division	Apamaa@cupertino.org							1					
22 Cupertino	Honda	Aki	Planning Division	akis@cupertino.org	(408) 777-3313											
23 Los Altos Hills	Schmidt	Steve		steve@highenergyaudits.com			1							1		
Joint Venture	Gross	Kara									1	1				
Joint Venture	Sztukowski	John									1	1				
PG&E	Mack	Ryan									1					
Hara	Kochta	Eggi									1	1	1	1		
KEMA	Seto	Betty									1					
KEMA	Jewel	Amy									1					
County	Springer	Kim									1	1	1	1	1	
County	Wright	Susan									1	1	1	1	1	
County	Klein	Will									1	1	1	1	1	

C/CAG AGENDA REPORT

Date: May 11, 2012
To: Resource Management and Climate Protection Committee
From: Susan Wright, County Staff to C/CAG
Subject: Update on San Mateo County Energy Watch Program
(For further information contact Kim Springer at 650-599-1412 or Susan Wright at 650-599-1403.)

RECOMMENDATION

Receive an informational update on the San Mateo County Energy Watch (SMCEW), Local Government Partnership (LGP) with Pacific Gas and Electric Company (PG&E).

FISCAL IMPACT

All SMCEW program staff costs and expenses are paid for by funding under the C/CAG – PG&E LGP agreement.

BACKGROUND/DISCUSSION

San Mateo County Energy Watch is a local government partnership between the City and County Association of Governments of San Mateo County (C/CAG) and Pacific Gas and Electric Company (PG&E). This program is managed and staffed by RecycleWorks, a program of the County of San Mateo. Other program partners include Ecology Action and El Concilio. The three-year program cycle runs from January 1, 2010 through December 31, 2012.

San Mateo County Energy Watch accomplishes energy savings in the municipal, non-profit and residential program sectors. SMCEW's municipal program has completed energy audits and/or energy-efficiency projects in nearly all the cities and other public agencies in San Mateo County, including Atherton, Belmont, Brisbane, Burlingame, Colma, Daly City, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Millbrae, Pacifica, Redwood City, San Bruno, San Carlos, San Mateo, SamTrans, South Bayside Waste Management Authority, South San Francisco, Woodside and the County of San Mateo. SMCEW has completed projects for a variety of non-profit organizations, including food closets, home owners associations, and congregations.

Energy Savings Results

Looking at the three-year program cycle as a whole, as of March 2012, preliminary estimates show that the SMCEW program has accomplished 7.7 million kilowatt hours, 1,060 peak kilowatts of energy savings, and approximately 15,190 Therms of energy savings. The program's "pipeline" is approximately 1.05 million kilowatt hours, 171 kilowatts of energy savings and approximately 25,175 Therms of energy savings. In addition, several cities and the County are considering large energy efficiency projects not currently reflected in the pipeline totals.

The “direct install” portion of the program has been very successful. The outreach work done to date has resulted in increased momentum. In the past few months, several cities decided to move ahead with lighting projects in order to take advantage of EECBG funds by the final deadline. In order to be able to meet the increasing demand, C/CAG has requested additional funds for the direct install program: \$228,000 in the first request and \$350,000 in the second. PG&E recently approved these requests, bringing the program’s overall direct install kWh goals to 7,200,000.

The following charts are attached for your review with this staff report:

A set of charts showing the San Mateo County Energy Watch savings verses goals for the 2010 through 2012 program cycle.

A chart comparing kWh achieved through the direct install vs. other portions of the SMCEW program

Strategy for Achieving Energy Savings Outside Direct Install Program

With the direct install program on target to meet and/or exceed its goals, SMCEW is focusing efforts for the remainder of the program cycle on driving projects into the other portions of the program: LED streetlights, “deemed” (measures listed in PG&E’s rebate catalog that have a standard rebate amount), and “calculated” (customized projects that require unique engineering calculations to determine the energy savings and related rebate). SMCEW is doing the following things:

Changing outreach strategy to the nonprofit sector. Our 2011-2012 AmeriCorps intern’s primarily responsibility is reaching out to nonprofits. Up until this point, his main goal was to get nonprofits to sign up for an energy efficiency audit from Ecology Action. Now, he has fine-tuned his target list, looking for nonprofits that would benefit from two new technologies rebated through the calculated program: demand circulation for hot water heat pumps and pool pump optimization. Low-income housing organizations and home owners associations are good targets.

Piloting energy efficiency engineering services via Ecology Action. Many cities are slow to move forward with heating and cooling projects because of the more extensive level of calculations necessary to make decisions. Paid for through SMCEW’s calculated program budget, the team has offered engineering services to one city (Menlo Park) as a pilot. The Ecology Action engineer did a one-day walk-through audit, taking a “whole building” approach. City of Menlo Park will then be presented with a summary sheet including a list of recommended energy-saving measures. The city will choose the measures for which they would like to receive more extensive engineering calculations (assuming those measures will bring savings to the SMCEW non-direct install program). After the initial pilot, SMCEW plans to offer these engineering services to three or four more cities. (Buildings to be audited must have a central plant.)

Hosting an Energy Watch Partners Meeting on May 9. The goal of the workshop is to propel cities along the path of doing calculated, deemed, and turnkey projects (non-direct install) by giving them more detailed insights about financing options and information about new technologies. The first part will be a presentation about PG&E’s on-bill financing and the CEC’s 3% loans. The second part will highlight emerging technologies such as demand circulation for hot water heat pumps, whole building energy assessments and ongoing remote monitoring of systems, new standards in municipal LED streetlights, and pool pump optimization. The intended audience is financial decision makers as well as public works directors, facilities managers and staff, and sustainability coordinators. A promotional flyer is attached.

Second Wave of Benchmarking

In 2010-2011, the SMCEW AmeriCorps (Lisa Wan) worked with 13 cities, the county and SamTrans to get 131 cities benchmarked. The cities were Belmont, Burlingame, Colma, Daly City, Foster City, Half Moon Bay, Hillsborough, Millbrae, Portola Valley, Redwood City, San Mateo, South San Francisco, and Woodside. This year's AmeriCorps intern (Will Klein) is now helping three additional cities benchmark their buildings (Atherton, Brisbane, and San Carlos), and is benchmarking additional buildings for the County and City of Belmont.

Planning for 2013-2014 Transition Period

This is the last year of the 2010-2012 energy efficiency program portfolio cycle, and the CPUC is considering the policy development for post-2012 efficiency programs. The CPUC has recognized that it will not be prepared to commence the next program cycle in 2013 and so is examining the schedule, mechanics, and policy guidance for the 2013-2014 transition period between portfolio cycles, as well as the structure for future portfolios.

SMCEW has begun exploring how our program might be expanded in the transition period, including the possible expansion of the program to serve the small- to medium-size business sector.

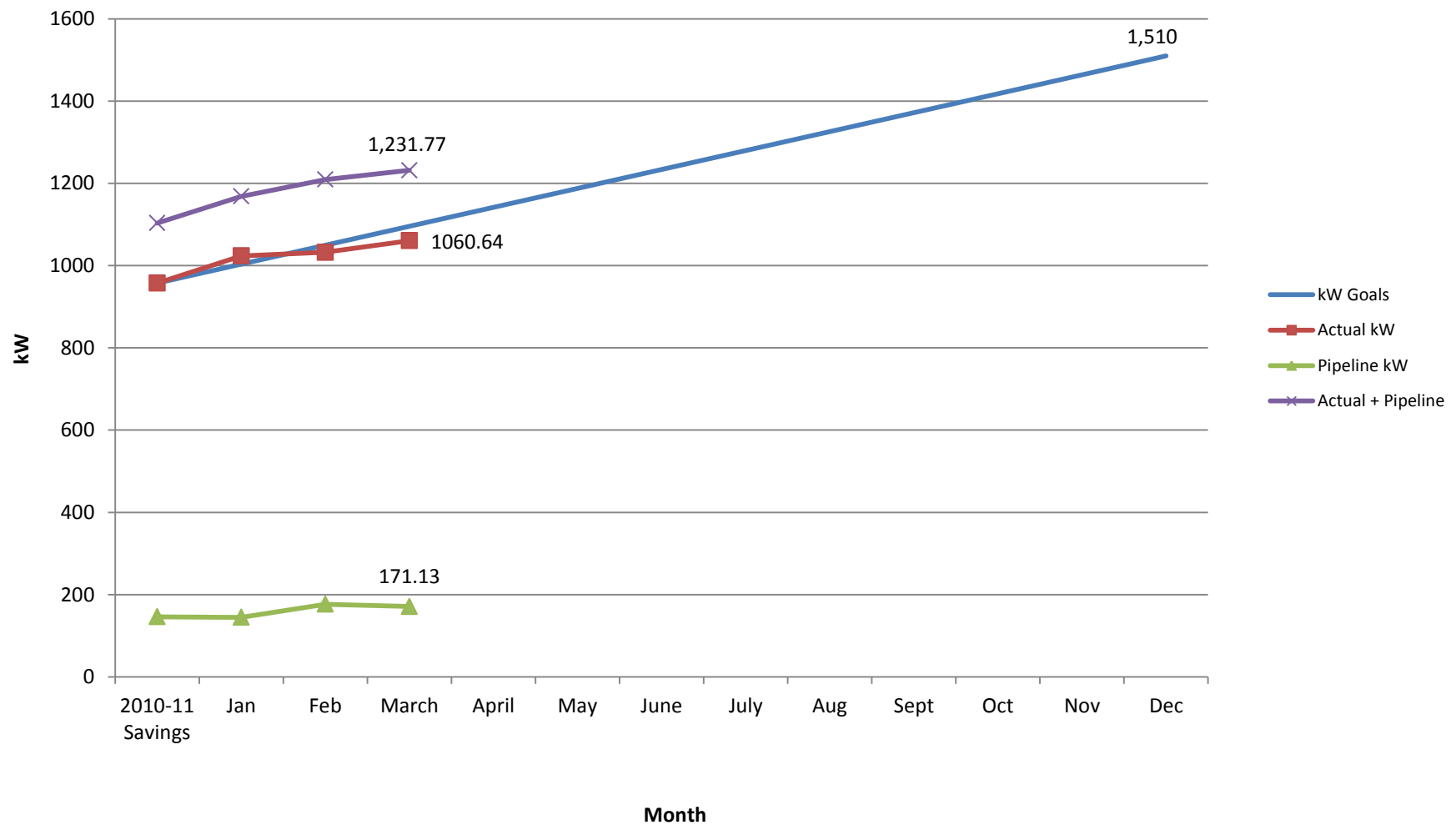
Another draft decision from the CPUC is expected on May 10, 2012. Utilities need to file their plans for the transition period by July 2, 2012.

ATTACHMENT

San Mateo County Energy Watch 2010-2012: Energy-Savings Goals vs. Energy-Savings Achieved

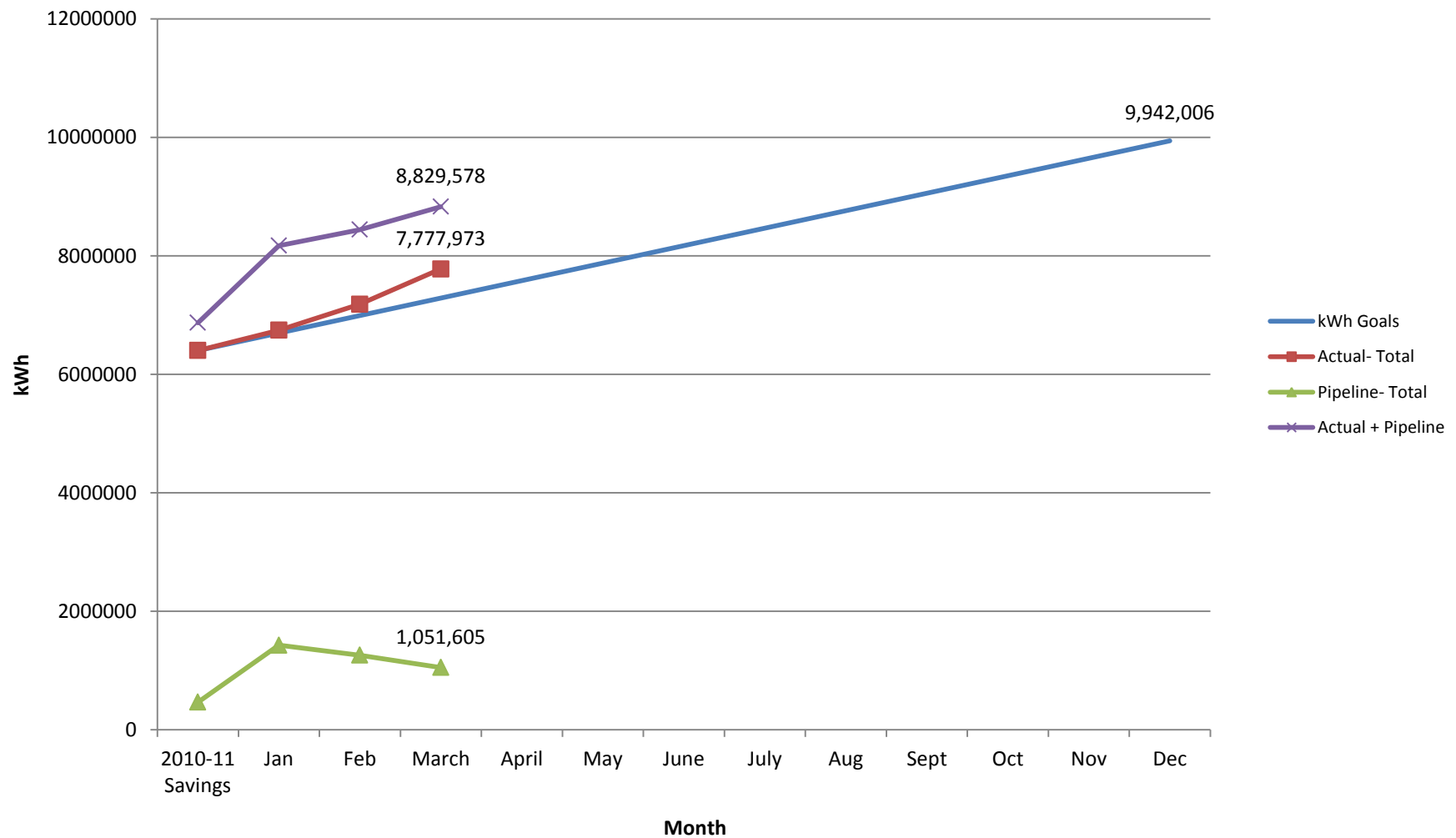
San Mateo County Energy Watch 2012

kW Savings Achieved vs. kW Savings Goals (no change orders)



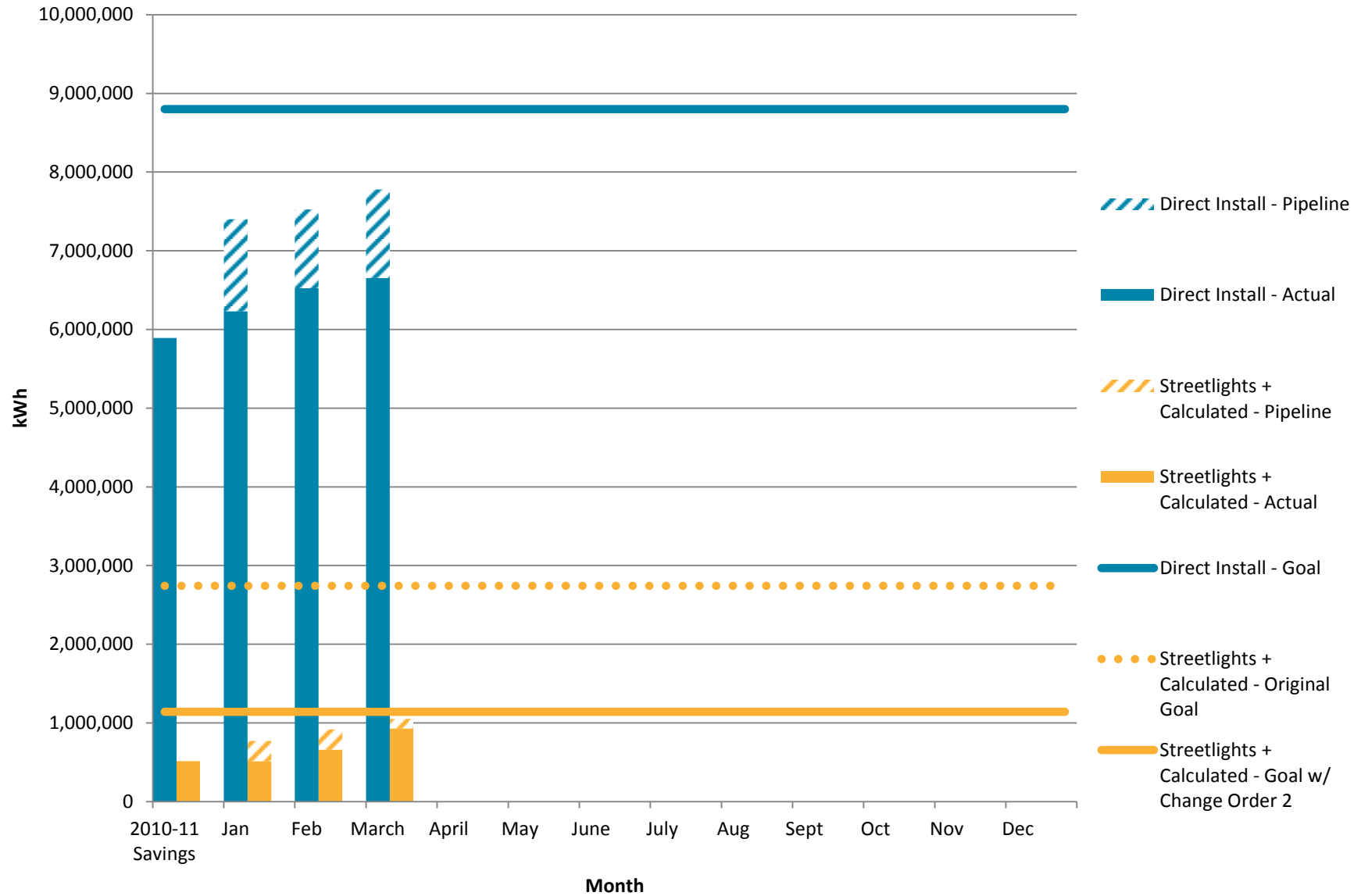
San Mateo County Energy Watch 2012

kWh Savings Achieved vs. kWh Savings Goals



San Mateo County Energy Watch 2012

kWh savings: Direct Install vs. Streetlights + Calculated Projects



San Mateo County Energy Watch 2012

Therms Savings Achieved vs. Therms Savings Goals

